Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	03/08/2018 09:16 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	126428	1	1.39	126326	1.31
Blue	F	SSC	125000	123537	-2	3.53	123801	3.28
Blue	E	FITC	23615	23046	-3	2.57	1032	10.41
Blue	D	PE	26739	26492	-1	2.11	951	10.25
Blue	B	PerCP-Cy5-5	48339	47460	-2	3.54	1373	17.25
Blue	A	PE-Cy7	45021	44718	-1	5.23	706	36.36
Red	C	APC	53064	52326	-2	2.73	2986	9.51
Red	A	APC-Cy7	57175	56587	-2	2.73	1214	11.06
Violet	B	V450	14728	14010	-5	5.33	661	9.93
Violet	A	V500	58621	56944	-3	5.19	2513	7.51

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19485	2.1	613	-1	N/A	N/A	Pass
Blue	F	SSC	61098	1.41	557	11	N/A	N/A	Pass
Blue	E	FITC	111	39.3	548	0	0.0198	96	Pass
Blue	D	PE	208	29.65	540	4	0.1418	207	Pass
Blue	B	PerCP-Cy5-5	214	46.33	638	3	0.0097	115	Pass
Blue	A	PE-Cy7	76	124.85	697	4	0.0111	20	Pass
Red	C	APC	342	28.65	598	1	0.0203	99	Pass
Red	A	APC-Cy7	134	39.62	582	2	0.0056	1751	Pass
Violet	B	V450	82	43.8	465	-5	0.0449	2133	Pass
Violet	A	V500	183	24.33	493	-4	0.0133	544	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.81	-31.35	0.94
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.34
Red	18.45	14.40 - 21.60	N/A	N/A	31.04	31.45	1.16

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 12110

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments